Index of Claims

| A   | 1:4:     | 1041     | 11- |
|-----|----------|----------|-----|
| App | lication | /Control | NO. |

Applicant(s)/Patent under Reexamination

John D. Ulm

GLUCKSMANN ET AL.
Art Unit

10/665,956 Examiner

1649

Rejected Allowed

| _ | (Through numeral)<br>Cancelled |
|---|--------------------------------|
|   | Restricted                     |

| Z | Non-Elected  |
|---|--------------|
| _ | Interference |

| A | Appeal   |
|---|----------|
| 0 | Objected |

| Cla      | aim      | Date     |                    |          |          |           |          | Cla      | aim       | Date     |           |               |          |          |                 |           | CI                      | aim      | Date    |              |          |          |          |            |          |                 |          |          |           |          |  |           |           |
|----------|----------|----------|--------------------|----------|----------|-----------|----------|----------|-----------|----------|-----------|---------------|----------|----------|-----------------|-----------|-------------------------|----------|---------|--------------|----------|----------|----------|------------|----------|-----------------|----------|----------|-----------|----------|--|-----------|-----------|
| Final    | Original | 6/30/05  |                    |          |          |           |          |          |           |          |           | Final         | Original | 6/30/05  |                 |           |                         |          |         |              |          |          | Final    | Original   |          |                 |          |          |           |          |  |           |           |
|          | ,1       | +        | H                  | $\dashv$ | $\dashv$ | $\neg$    |          | -        |           | $\vdash$ | ł         |               | 51       | +        | Н               |           | -                       | $\dashv$ | +       | ╁            | +        |          |          | 101        | $\vdash$ | Н               | $\dashv$ |          |           | H        | $\dashv$                                   | $\dashv$  | $\dashv$  |
|          | 2        | +        | Ħ                  |          | 7        |           |          |          | Г         | _        | 1         | <u> </u>      | 52       | +        | П               | _         | 寸                       | 7        | $\top$  | +            | 1        |          |          | 102        | _        | Н               | $\neg$   |          | $\vdash$  | $\vdash$ | $\dashv$                                   | 一         | _         |
|          | 3        | ÷        |                    |          | ヿ        |           |          |          |           |          |           |               | 53       |          | Н               |           |                         | $\dashv$ | $\top$  | 1            |          |          |          | 103        |          | Н               | $\neg$   |          |           | П        | $\dashv$                                   | $\dashv$  | $\exists$ |
|          | 4        | ÷        |                    | $\neg$   | $\neg$   |           |          |          |           |          |           |               | 54       |          | П               | 一         | ┪                       | 一        | ┪       |              |          |          |          | 104        |          |                 |          |          | П         | П        | $\dashv$                                   | $\dashv$  | $\exists$ |
|          | 5        | ÷        |                    |          |          |           |          |          |           |          |           |               | 55       |          |                 |           | $\neg$                  | $\neg$   |         |              |          |          |          | 105        |          |                 |          |          |           | П        | 寸  | $\neg$    | $\neg$    |
|          | 6        | ÷        |                    |          |          | $\Box$    |          |          |           |          |           |               | 56       |          |                 |           |                         |          |         |              |          |          |          | 106        |          |                 |          |          |           |          | $\Box$                                     |           | $\neg$    |
|          | 7        | +        | Ш                  | _        | _        |           |          | Ш        |           | _        |           |               | 57       |          | Ш               |           |                         |          |         |              |          |          |          | 107        |          |                 |          |          |           |          |  |           |           |
| $\perp$  | 8        | ÷        | $\sqcup$           | _        | _        | $\dashv$  |          | Ш        | <u> </u>  |          |           |               | 58       | _        | Ш               | _         | _                       | _        |         |              | $\perp$  |          |          | 108        |          |                 |          |          | $\square$ |          |  |           |           |
| <u> </u> | 9        | +        | $\dashv$           | _        | 4        |           | _        |          | _         | <u> </u> |           |               | 59       | _        | Ш               | _         | _                       | _        | _ _     | _            | igspace  |          |          | 109        |          | Щ               | _        |          |           | Ш        | _  | $\dashv$  | _         |
|          | 10       | ÷        | $\dashv$           |          | -        |           | _        | _        | _         | _        |           |               | 60       |          | $\square$       | $\dashv$  | _                       | 4        |         | _            | ┷        |          |          | 110        |          | Ш               | _        |          | Ш         | Ш        | $\dashv$                                   |           | _         |
| -        | 11<br>12 | +        | $\vdash$           | -+       | $\dashv$ |           | _        | -        | -         | -        |           |               | 61       | -        | $\vdash$        | $\dashv$  |                         | $\dashv$ | -       | +            | 4        |          |          | 111        |          | $\dashv$        |          |          | $\sqcup$  | Н        | $\dashv$                                   | $\dashv$  | _         |
|          | 13       | +        | $\dashv$           | $\dashv$ | $\dashv$ | $\dashv$  | $\dashv$ | Н        | $\vdash$  | <u> </u> |           |               | 62<br>63 | $\vdash$ | $\vdash \vdash$ |           | $\dashv$                | $\dashv$ | +       | +            | $\vdash$ |          |          | 112        |          | ertert          |          |          | $\dashv$  | Щ        | 4  | 4         | _         |
|          | 14       | +        | $\vdash$           | +        | $\dashv$ | $\dashv$  | $\dashv$ | $\vdash$ | $\vdash$  | -        |           | -             | 64       | <u> </u> | $\vdash \vdash$ | $\dashv$  | +                       | $\dashv$ | +       | +            | $\vdash$ |          |          | 113        | Н        | $\vdash \vdash$ | -        | $\dashv$ |           | Н        | $\dashv$                                   |           | ᆜ         |
|          | 15       | +        | -                  | $\dashv$ | $\dashv$ | $\dashv$  | $\dashv$ | $\vdash$ | $\vdash$  | -        |           |               | 65       | H        | $\vdash \vdash$ | $\dashv$  | +                       | $\dashv$ | +       | +-           | ┼┤       | ::::     |          | 114<br>115 | $\vdash$ |                 | $\dashv$ | $\dashv$ |           | $\vdash$ | $\dashv$                                   | $\dashv$  | ᅴ         |
|          | 16       | +        |                    | +        | -        | $\dashv$  | $\dashv$ |          | Н         | -        |           | _             | 66       | Н        | H               | $\dashv$  | +                       | $\dashv$ | +       | ┿            | +        | <b>}</b> |          | 116        | -        |                 |          | $\dashv$ | $\dashv$  | $\vdash$ | $\dashv$                                   | ┥         | $\dashv$  |
|          | 17       | +        | $\dashv$           | $\dashv$ | 十        | 一         | _        |          |           |          |           |               | 67       | $\vdash$ | $\vdash$        | $\dashv$  | $\dashv$                | +        | +       | +-           | $\vdash$ |          |          | 117        |          | $\dashv$        |          | $\dashv$ | $\dashv$  | $\vdash$ | $\dashv$                                   | $\dashv$  | ᅱ         |
|          | 18       | +        | $\dashv$           | 十        | 十        | _         | $\dashv$ |          |           |          |           |               | 68       |          | $\Box$          | $\dashv$  | $\dashv$                | $\dashv$ | +       | +            | ╁┈┤      |          | $\neg$   | 118        |          | $\dashv$        | ┪        | -        | $\dashv$  | H        | $\dashv$                                   | $\dashv$  | ᅱ         |
|          | 19       | +        |                    | 寸        | 7        | ヿ         |          |          |           |          |           |               | 69       |          |                 | $\exists$ | $\dashv$                | $\top$   | $\top$  | $\top$       | 1-1      |          |          | 119        |          |                 | $\neg$   |          | $\dashv$  | $\dashv$ | $\dashv$                                   | ᅥ         | ㅓ         |
|          | 20       | +        |                    | 十        | 7        | 一         | $\neg$   |          |           |          |           |               | 70       |          |                 | ヿ         | _                       | 十        | _       | $\top$       | $\Box$   | ľ        |          | 120        |          | $\dashv$        | 7        | $\dashv$ | $\dashv$  | $\neg$   | 十  | 十         | ᅥ         |
|          | 21       | +        |                    |          | T        |           |          |          |           |          |           |               | 71       |          |                 | $\neg$    | $\neg$                  | 寸        |         | T            | П        |          |          | 121        | $\neg$   | $\neg$          |          | 一        | $\neg$    |          | 寸  | $\dashv$  | ᅥ         |
|          | 22       | +        |                    |          |          |           |          |          |           |          |           |               | 72       | +        |                 | 丁         | $\neg$                  | T        |         |              |          |          |          | 122        | $\neg$   | $\neg$          | $\neg$   | $\neg$   | $\neg$    | $\neg$   | 十  | ヿ         | ᅱ         |
|          | 23       |          |                    |          |          | $\Box$    |          |          |           |          |           |               | 73       |          |                 |           |                         |          |         |              |          |          |          | 123        |          |                 |          |          |           | П        | $\neg$                                     | $\neg$    | ヿ         |
|          | 24       | Ш        | _                  | _        | _        |           | _        |          |           |          |           |               | 74       |          |                 |           |                         |          |         |              |          | [        |          | 124        |          |                 |          |          |           |          | $\exists$                                  |           | $\Box$    |
|          | 25       | Щ        |                    |          | _        |           | _        |          |           |          |           |               | 75       |          |                 | _         | ┙                       |          | $\perp$ | <u> </u>     | Ш        |          |          | 125        |          |                 |          | $\Box$   |           | $\Box$   | $\Box$                                     |           |           |
|          | 26       | Ш        | -                  | _        | $\dashv$ |           | 4        |          |           |          |           |               | 76       | Ц        | _               | _         | 4                       | 4        | _       | 1_           | Щ        |          |          | 126        | _        |                 | _        | _        | _         |          | $\perp$                                    | _         | $\Box$    |
|          | 27       | Н        | $\dashv$           |          | -        | $\dashv$  |          | $\dashv$ | _         |          |           |               | 77       |          |                 | $\dashv$  | $\dashv$                | $\perp$  | _       | $\bot$       | $\sqcup$ |          |          | 127        | _        | 4               |          | _        | _         | $\dashv$ | _  |           | _         |
| -        | 28<br>29 | $\vdash$ | $\dashv$           | +        | +        | -         | $\dashv$ | $\dashv$ |           |          |           |               | 78       |          | -               | -         | -                       | -        | +       | +            | $\vdash$ |          |          | 128        | _        | _               | $\dashv$ | _        | $\dashv$  | _        | 4  | 4         | _         |
|          | 30       | Н        | $\dashv$           | +        | 十        | -+        |          | $\dashv$ | $\dashv$  | _        |           |               | 79       |          |                 | $\dashv$  | +                       | +        |         | +-           | Н        |          |          | 129        | $\dashv$ | -               | -        | -1       | -         | -        | $\dashv$                                   | 4         | 4         |
| -        | 31       | Н        | +                  | $\dashv$ | +        | $\dashv$  | $\dashv$ |          |           |          |           |               | 80<br>81 | -        | $\dashv$        | $\dashv$  | +                       | +        |         | ╄            | $\vdash$ | -        |          | 130        | $\dashv$ | $\dashv$        | -        | -        | -         | -        | $\dashv$                                   | $\dashv$  | 4         |
|          | 32       | Н        | $\dashv$           | +        | $\dashv$ | $\dashv$  | $\dashv$ | 긕        | -         |          |           |               | 82       | -        | $\dashv$        | $\dashv$  | ┰                       | +        | +       | ┿            | ₩        | -        |          | 131<br>132 | $\dashv$ |                 | -        |          | $\dashv$  |          | +  | +         |           |
|          | 33       | Н        | $\dashv$           | +        | $\dashv$ | $\forall$ | 7        | $\dashv$ | $\dashv$  | _        |           |               | 83       |          | -               | $\dashv$  | -+                      | +        | +       | ╁            | $\vdash$ | -        |          | 133        |          | $\dashv$        | $\dashv$ | -        | $\dashv$  |          | +  | $\dashv$  | $\dashv$  |
|          | 34       | $\Box$   | $\dashv$           | _        | 十        | 7         | 7        | $\neg$   | $\dashv$  | _        |           | $\neg \neg$   | 84       |          |                 | 十         | +                       | ╁        | ╅       | +            | $\vdash$ | -        | $\dashv$ | 134        | -        | $\dashv$        | -+       | $\dashv$ | $\dashv$  | $\dashv$ | $\dashv$                                   | $\dashv$  | $\dashv$  |
|          | 35       | П        | $\dashv$           | 十        | $\top$   | T         | T        | T        | $\exists$ | _        |           | $\neg \neg$   | 85       | $\neg$   | $\dashv$        | _         | 十                       | +        | +       | T            | $\vdash$ | ŀ        |          | 135        | $\dashv$ | $\dashv$        | $\dashv$ | 一        | $\dashv$  | $\dashv$ | +  | $\dashv$  | ᅥ         |
|          | 36       |          |                    |          | T        |           |          |          |           |          |           |               | 86       | $\neg$   | -               | $\neg$    | 十                       | $\dashv$ |         | 1            | П        | t        | $\neg$   | 136        | 十        | $\dashv$        | $\dashv$ | -        | $\dashv$  | $\dashv$ | 十  | $\dashv$  | $\dashv$  |
|          | 37       |          |                    | ⅃        |          | $\Box$    |          |          |           |          |           |               | 87       |          |                 | $\top$    | $\top$                  | $\dashv$ | $\top$  | $\top$       | П        | ı        |          | 137        | $\dashv$ | $\dashv$        | $\dashv$ | -        | $\dashv$  | $\dashv$ | +  | 十         | $\dashv$  |
|          | 38       |          | $\Box$             | $\Box$   | Ι        | $\Box$    |          |          |           |          |           |               | 88       |          |                 |           | I                       |          |         | $\Gamma$     | П        |          |          | 138        | _        | $\neg$          | $\dashv$ |          | $\neg$    | $\dashv$ | 十  | 7         | ヿ         |
|          | 39       | Ш        | $oldsymbol{\perp}$ |          |          | $\perp$   | $\Box$   | $\Box$   |           |          |           |               | 89       |          |                 |           | $\Box$                  | I        | floor   |              |          | [        |          | 139        |          |                 | ╛        |          | 丁         | $\Box$ † | $\neg$                                     | $\neg$    | $\neg$    |
|          | 40       | $\sqcup$ | $\perp$            |          | $\perp$  | 4         | _        | $\perp$  | $\perp$   | _        |           |               | 90       |          |                 | $\Box$    | $oldsymbol{\mathbb{I}}$ | $\perp$  | I       |              |          | [        |          | 140        |          |                 |          |          |           | $\Box$   |  | $\Box$    |           |
|          | 41       | $\sqcup$ |                    | 4        | 4        | 4         | 4        | _        |           | _        |           |               | 91       | $\Box$   | $\perp$         |           | $\perp$                 | _[_      |         |              | $\Box$   | :::[     |          | 141        |          | $\Box$          | $\Box$   |          |           | $\Box$   | $oldsymbol{oldsymbol{oldsymbol{\square}}}$ | $\Box$    | $\Box$    |
|          | 42       |          | $\dashv$           | 4        | +        | 4         | 4        | 4        |           | _        |           |               | 92       | _        | 4               | _         | $\perp$                 | _        | $\perp$ | _            | Ш        |          |          | 142        | [        |                 | $\bot$   | $\Box$   | $\Box$    | $\Box$   | $oldsymbol{\perp}$                         | $\bot$    |           |
|          | 43       | -        | $\dashv$           | _        | $\dashv$ | 4         | -        | $\dashv$ | 4         | _        |           |               | 93       | _        | _               | 4         | _                       | 4        | $\bot$  | <del> </del> | Щ        | ⊪Ļ       |          | 143        |          | _               | _        |          | _[        | _        | $\bot$                                     | $\perp$   |           |
|          | 44       |          | $\dashv$           | -        | +        | $\dashv$  | -        | $\dashv$ | -         | _        |           |               | 94       | _        | 4               | -         | +                       | - -      | +       | ↓_           | $\sqcup$ | <u> </u> |          | 144        | _        | _               | 4        | 4        | _         | _        | $\bot$                                     | $\perp$   | _         |
|          | 45<br>46 | -+       | $\dashv$           | +        | +        | +         | $\dashv$ | -+       | -         | _        |           |               | 95       | -        | -               | +         | +                       |          | -       | -            | $\sqcup$ |          |          | 145        | _        |                 | 4        | 4        | 4         | _        | 4  | 4         | _         |
|          | 47       | +        | +                  |          | +        | +         | +        | $\dashv$ | $\dashv$  | $\dashv$ |           |               | 96<br>97 |          | +               | $\dashv$  | +                       | -        | +-      | $\vdash$     | $\vdash$ | ⊪        | 1        | 146        |          |                 | $\dashv$ | $\dashv$ | 4         | $\dashv$ | +  | $\dashv$  | _         |
|          | 48       | +        | +                  | +        | +        | $\dashv$  | +        | +        | $\dashv$  | $\dashv$ | ŀ         | $\rightarrow$ | 98       | -+       | $\dashv$        | +         | +                       | +        | +       | $\vdash$     | H        | ⊪        |          | 147        |          | 4               | $\dashv$ | -        | -+        | $\dashv$ | +  | +         | -         |
|          | 49       | +        | +                  | +        | +        | $\dashv$  | $\dashv$ | $\dashv$ | $\dashv$  | $\dashv$ | :::: <br> | $\dashv$      | 99       |          | $\dashv$        | +         | +                       | ╅        | ╁       | -            | H        | ⊪        |          | 148<br>149 | -+       | +               | $\dashv$ |          | -+        | -+       | +  | +         |           |
|          | 50       | +        | $\dashv$           | +        | +        | ╅         | 十        | $\dashv$ | $\dashv$  | $\dashv$ | iii l     | -+            | 100      | $\dashv$ | +               | +         | +                       | +        | +       | $\vdash$     | H        | ⊪        |          | 150        | -        | $\dashv$        | +        | $\dashv$ | $\dashv$  | $\dashv$ | +  | +         | $\dashv$  |
|          | <u> </u> | 1        |                    |          |          | Щ.        |          | _        | 1         |          | :L        |               | 100      |          |                 | i_        |                         | ٠Ц.      |         | 1            | السا     | ٠٠٠:L    |          | 150        | _        | $\perp$         | L        | $\Box$   |           |          | L  | $\perp$ L |           |